

SEQUENCE LISTING

<110> Innogenetics N.V.

<120> HBV DRUG RESISTANCE AND DRUG RESISTANCE DETECTION METHODS

<130> 133 PCT

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 160

<212> PRT

<213> hepatitis B virus

<400> 1

Ala Met Pro His Leu Leu Val Gly Ser Ser Gly Leu Ser Arg Tyr Val
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Ala Arg Leu Ser Ser Asn Ser Arg Ile Phe Asn Tyr Gln His Gly Thr
 20 25 30

Met Gln Asn Leu His Asp Ser Cys Ser Arg Asn Leu Tyr Val Ser Leu
 35 40 45

Leu Leu Leu Tyr Gln Thr Phe Gly Arg Lys Leu His Leu Tyr Ser His
 50 55 60

Pro Ile Ile Leu Gly Phe Arg Lys Ile Pro Met Gly Val Gly Leu Ser
 65 70 75 80

Pro Phe Leu Leu Ala Gln Phe Thr Ser Ala Ile Cys Ser Val Val Arg
 85 90 95

Arg Ala Phe Pro His Cys Leu Ala Phe Ser Tyr Met Asp Asp Val Val
 100 105 110

Leu Gly Ala Lys Ser Val Gln His Leu Glu Ser Leu Phe Thr Ala Val
 115 120 125

Thr Asn Phe Leu Leu Ser Leu Gly Ile His Leu Asn Pro Asn Lys Thr
 130 135 140

Lys Arg Trp Gly Tyr Ser Leu His Phe Met Gly Tyr Val Ile Gly Cys

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Pro Val Cys Pro Leu Ile Pro Gly Ser Ser Thr Thr Ser Thr Gly Pro
 20 25 30

Cys Arg Thr Cys Thr Thr Pro Ala Gln Gly Thr Ser Met Tyr Pro Ser
 35 40 45

Cys Cys Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile
 50 55 60

Pro Ser Ser Trp Ala Phe Gly Lys Phe Leu Trp Glu Trp Ala Ser Ala
 65 70 75 80

Arg Phe Ser Trp Leu Ser Leu Val Pro Phe Val Trp Phe Val Gly
 85 90 95

Leu Ser Pro Thr Val Trp Leu Ser Val Ile Trp Met Met Trp Tyr Trp
 100 105 110

Gly Pro Ser Leu Tyr Ser Ile Leu Ser Pro Phe Leu Pro Leu Leu Pro
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Ile Phe Phe Cys Leu Trp Val Tyr Ile
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<213> hepatitis B virus

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Ala Met Pro His Leu Leu Val Gly Ser Ser Gly Leu Ser Arg Tyr Val
 1 5 10 15

Ala Arg Leu Ser Ser Asn Ser Arg Ile Phe Asn Tyr Gln His Gly Thr
 20 25 30

Met Gln Asn Leu His Ser Cys Ser Arg Asn Leu Tyr Val Ser Leu
 35 40 45

Leu Leu Leu Tyr Gln Thr Phe Gly Arg Lys Leu His Leu Tyr Ser His
 50 55 60

Pro Ile Ile Leu Gly Phe Arg Lys Ile Pro Met Gly Val Gly Leu Ser
 65 70 75 80

Pro Phe Leu Met Ala Gln Phe Thr Ser Ala Ile Cys Ser Val Val Arg
 85 90 95

Arg Ala Phe Pro His Cys Leu Ala Phe Ser Tyr Ser Asp Asp Val Val
 100 105 110

Leu Gly Ala Lys Ser Val Gln His Leu Glu Ser Leu Phe Thr Ala Val
 115 120 125

Thr Asn Phe Leu Leu Ser Leu Gly Ile His Leu Asn Pro Asn Lys Thr
 130 135 140

Lys Arg Trp Gly Tyr Ser Leu His Phe Met Gly Tyr Val Ile Gly Cys
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Leu Cys Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr Gln Gly Met Leu
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Pro Val Cys Pro Leu Ile Pro Gly Ser Ser Thr Thr Ser Thr Gly Pro
 20 25 30

Cys Arg Thr Cys Thr Thr Pro Ala Gln Gly Thr Ser Met Tyr Pro Ser
 35 40 45

Cys Cys Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile
 50 55 60

Pro Ser Ser Trp Ala Phe Gly Lys Phe Leu Trp Glu Trp Ala Ser Ala
 65 70 75 80

Arg Phe Ser Trp Leu Ser Leu Val Pro Phe Val Gln Trp Phe Val Gly
 85 90 95

Leu Ser Pro Thr Val Trp Leu Ser Val Ile Val Met Met Trp Tyr Trp
 100 105 110

Gly Pro Ser Leu Tyr Ser Ile Leu Ser Pro Phe Leu Pro Leu Leu Pro
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Ile Phe Phe Cys Leu Trp Val Tyr Ile
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 <213> Tag 100 epitope

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Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
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